## PATENT COOPERATION TREATY

## **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		Form PCT/ISA/220 are applicable, item 5 below.		
152968-4 DK International application No.	ACTION International filing date (day)		(Earliest) Priority Date (day/month/year)		
PCT/IL04/00501	10 June 2004 (10.06.2004)		11 June 2003 (11.06.2003)		
Applicant YEDA RESEARCH AND DEVELOPMENT COMPANY LTD.					
YEDA RESEARCH AND DEVELOPMENT COMMAND DEVELOPMENT DISC					
This international search report has been prepared by this International Searching Authority and is transmitted to the					
applicant according to Article 18. A copy is being transmitted to the international buttons.					
This international search report consists of a total of sheets.					
It is also accompanied by a copy of each prior art document cited in this report.					
<ol> <li>Basis of the Report         <ul> <li>With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</li> </ul> </li> </ol>					
The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).					
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No.					
2. Certain claims were found unsearchable (See Box No. II)					
3. Unity of invention is lacking (See Box No. III)					
4. With regard to the title,	mitted by the applicant.				
the text is approved as submitted by the applicant.  the text has been established by this Authority to read as follows:					
	•				
·					
5. With regard to the abstract,	mine d has the compliance				
the text is approved as subj		by this Authori	ty as it appears in Box No. IV. The		
applicant may, within to this Authority.	one month from the date of n	ailing of this in	ternational search report, submit comments		
6. With regard to the drawings,					
a. the figure of the drawings to be published with the abstract is Figure No. 1					
, , , , , , , , , , , , , , , , , , , ,	as suggested by the applicant.  as selected by this Authority, because the applicant failed to suggest a figure.				
as selected by this Authority, because this figure better characterizes the invention.					
b. none of the figures is to be published with the abstract.					

Form PCT/ISA/210 (first sheet) (January 2004)

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/00501

A. CLAS	SIFICATION OF SUBJECT MATTER		1				
IPC(7)	: C04B 35/462; H04R 17/00; B05D 3/02	4: 427/100, 380, 383,1					
US CL	US CL: 361/225; 252/62.9R, 62.9PZ; 29/25.35; 313/14; 427/100, 380, 383.1  According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols)							
U.S.: 361/225; 252/62.9R, 62.9PZ; 29/25.35; 313/14; 427/100, 380, 383.1							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet							
C. DOCT	UMENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where ap	ppropriate, of the relevant passages	Relevant to claim No.				
X	US 5,127,982 A (KOTAKE) 07 July 1992, see Abstract; examples.						
A	US 5,504,330 A (SUMMERFELT et al) 02 April 1	1-40					
A	US 4,869,840 A (OSBOND et al) 26 September 198	1-40					
A	US 4,500,397 A (MORI) 19 February 1985, see Ab	1-40					
A	Lubomirsky et al "Observation of sel poling in BaTiO3 thin films", Journal of Applied 1-40 Physics, Vol 85(9), pp 6690-6694, May 1999 (Abstract Only)						
Further	documents are listed in the continuation of Box C.	See patent family annex.					
"A" document be of par	pecial categories of cited documents:  defining the general state of the art which is not considered to ticular relevance	"T" later document published after the in priority date and not in conflict with understand the principle or theory un document of particular relevance; the considered novel or cannot be considered novel or cannot be considered novel.	the application but cited to derlying the invention				
date	plication or patent published on or after the international filing	step when the document is taken alor	e				
to establi (as specif		"Y" document of particular relevance; the considered to involve an inventive at combined with one or more other and combination being obvious to a perse	ep when the document is th documents, such				
	t referring to an oral disclosure, use, exhibition or other means t published prior to the international filing date but later than the	*&" document member of the same patent	famfly				
n docina	tate claimed uctual completion of the international search	Date of mailing of the international sea	19 JAN 2005				
	r 2004 (08.12,2004)	Authorized officer / 0 / /	T				
Ma	ailing address of the ISA/US il Stop PCT, Attn: ISA/US mmissioner for Patents	Authorized officer  Mark Kopec					
P.C Ale	D. Box 1450 xandria, Virginia 22313-1450 D. (703) 305-3230	Telephone No. (571) 272-1300					

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INTERNATIONAL S	EARCH REPORT	PCT/IL04/00501
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Continuation of B. FIELDS SEARCH	IED Item 3:	lelectric, emorphous, quasi-amorphous, temperature
WEST (USPAT, EPAB, JPAB, DWPI): s gradient.	search terms include piezoelectric, pyro	neiecure, amorphous, quasi-anaxphous, temperature
<b>2</b>		
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International application No.

Form PCT/ISA/210 (extra sheet) (January 2004)